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ABC Tr-4477

Sci - Chem
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Sakara, B[edrich].
ORGANIC QUANTITATIVE ANALYSIS. XXIII. ELEC-
TRIC HEATING ELEMENT FOR ELEMENTARY
ANALYSIS. [1911] [5]p. 6 refs.
Order from SIA 1051.00, ph\$1.00 61-10627

Trans. of Chem[icka] Listy (Czechoslovakia) 1959,
v. 58 (no. 10) p. 1054-1057.

An electric furnace with small time factor of heating
and cooling, with good heat transfer into the combus-
tion space and readily calibrated temperature along
the combustion zone is described. The individual parts
of the combustion furnace are: a ceramic isolation
shell of wall thickness 3-5mm, frame of stainless
steel, and a heating coil of Kanthal resistance wire of
0.75mm minimum diam. By stretching the coil, dif-
ferent temperatures are obtainable. The arrangement
is employed for the micro determination of carbon,
hydrogen, sulfur, halogen and nitrogen and is also
suitable for semi-micro analytical methods. (Author)

61-10627

1. Chemical analysis--
Equipment
2. Electric furnaces--Design
- I. Vecera, M.
- II. Vojtech, F.
- III. Sakara, B.
- IV. Title: Electric ...

148594

Office of Technical Services

(Chemistry--Analytical, TT,
v. 5, no. 12)

Summary

R-8120-D
24 Mar 67

Summary for "The Sorption of Trace Quantities
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(DC-4020).

Radiation Chemistry Research in Czechoslovakia,
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CHENCH, par, Chemické Listy, Vol LIV, No 4,
1960, pp 323-331.

JPRS 6098

Sci - Chem
Oct 60

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R-5120-D
24 Mar 67

Distillation Apparatus for Obtaining Water of
High Purity, by Vikto Ettel.
CZEICH, per, Chemicke Listy, 1960, pp 340-342.

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ABC Tr-4761

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~~Chemical Abstracts~~ Chemical Abstracts, Vol LIV, No 9, 1960,
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Bel. - Chaden

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Novak, J., Rusek, M. and Janak, J.
OPERATING CHARACTERISTICS OF HIGH-TEMPER-
ATURE GAS CHROMATOGRAPH WITH FLAME
IONIZATION DETECTION. "CHROM I". [1961] 13p.
Order from ATS \$24.95 ATS-16NS/C

Thomp. of Chem[ist]ry (Czechoslovakia) 1960,
v. 54, p. 1178-1183.

(Chemistry--Analytical, TT, v. 5, no. 12)

61-22120

1. Chromatographic analysis--
Instrumentation
2. Flame--ionization
3. Title: Chrom I
- I. Novak, J.
- II. Rusek, M.
- III. Janak, J.
- IV. ATS-16NS/C
- V. Associated Technical
Services, Inc., East
Orange, N. J.

ATS CJ-4055

152087

Office of Technical Services

(SF-151).

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Detection Reagents on Chromatographic Paper, by
Miroslav Stefl, OUO,

CHIMEI, per, Chemické Listy, Vol LIV, No 11, 1960,
pp 1137-1139.

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7 Mar 61

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Geochimichesk National Geochimichesk Symposium,
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7 Mar 61

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Hauptman, Z.
APPAREILLAGE POUR LA CRISTALLISATION EN
ATMOSPHERE TROUVEE (Apparatus for Crys-
tallization in an Inert Atmosphere). 8p. 3 refs.
EX-1279 (text in French).
Order from OTS or ETC \$1.55 62-26188

Trans. in French of Chemické Listy (Czechoslovakia)
1961, v. 38, p. 70-72

DESCRIPTORS: Crystallization, Atmosphere,
Preparation, Purification.

(Physics--Solid State, TT, v. 9, no. 8)

62-26188

- I. Hauptman, Z.
- II. EX-1279
- III. Centre National de la
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(France)

Office of Technical Services

Rubens, Jan, and Pole, Bohumil
WIDTH OF THE SPECTRAL LINE AND ITS USE IN
SPECTROGRAPHY [1961] 28p. 45 refs
Order from ST-A \$4.60 62-10623

Trans. of Czechoslovak Acad. (Czechoslovakia) 1961,
v. 89, p. 116-158

DESCRIPTORS: *Spectrographic analysis, *Spectro-
graphic data, Spectrophotometers, Photometers,
Photographic emulsions, Photographic plates.

The main factors that determine the width of the line
and the situations in which they are applicable are
discussed. Literature (mainly west European) pub-
lished on the subject between 1913 and 1958 is
reviewed.

(Physics--Spectroscopy, TT, v. 8, no. 1)

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1. Title: Stark effect
2. Title: Doppler effect
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Knizek, Miroslav and Provaznik, Jan.
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ELEMENTS. [1968] 25p. 57 refs.
Order from SLA \$2.60

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Transl. of Chemické Listy (Czechoslovakia) 1961, v. 55,
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DESCRIPTORS: *Impurities, *Contamination, Purifica-
tion, Microanalysis, Chemicals, Semiconductors.

A survey of the literature.

(Chemistry--Analytical, TT, v. 10, no. 11)

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- I. Title: Trace elements
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ACSI B-9902
ID 2174783

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YAMIDE. POLYAMIDES FROM HIGHER ω-AMINO
ACIDS. [1961] 14p.
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DESCRIPTORS: *Amino acids, *Enanthic acid, Acids,
*Lactams, *Amides, *Polymers, Synthesis.

(Chemistry--Organic, TT, v. 7, no. 8)

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I. Dolezal, S.
II. ATS 29857C
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Orange, N. J.

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HH 4-19-62

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A Simple Electronic Apparatus for the Coulometric
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MSI 3007

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List 160

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CHEMISTRY, 12 PP. ~~GOVERNMENT~~ USE ONLY

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JPRS 13110

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Contemporary State and Vistas in the Development
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17 pp.

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001 - Chem

22 May 62

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Akner, Ctomir.
STARCH GEL ELECTROPHORESIS (Elektroforeza ve
Starchovna Gela) tr. by Hans Newcombe. 1962, 28p.
165 refs. NRCC Technical Trans. 1046.
Order from NRCC: \$1.50 NRCC C-4111

Trans. of Chemicki List (Czechoslovakia) 1962, v. 54,
no. 3, p. 334-334.

DESCRIPTORS: *Electrophoresis, *Gels, *Starches,
Preparation, Buffers, *Blood proteins, *Lipoproteins,
*Hemoglobin, Barytes, *Hormones, Chemical
analysis, Immunology, Biochemical genetics, Pathology,
Bibliography.

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- II. NRCC TT-1046
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SCI - MISC

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at the Adjutant General's Office, Adjutant General's Office
1000, 1000, China Library, Vol 1971, 1000, 1000, 1000

WH 10-25-62

Adj. Gen. China

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Wolaser, O.
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USES. July 63, 31p. 996 refs.
Order from ECRI in v. 3, no. 3, \$15.00/year

Trans. of Chemical Listy (Czechoslovakia) 1962
[v. 56] no. 10, p. 1222-1280.

DESCRIPTORS: Chemical engineering. *Sulfides,
*Catalysis, Hydrogenation, Hydrocarbons, Chemical
properties.

I. Wolaser, O.
II. International Chemical
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(Chemistry--Physical, TT, v. 10, no. 7)

Office of Technical Services

RESULTS OF 10 YEARS OF WORK IN THE CHEMICAL
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JPRS 17759

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CHEMIST PROFESSOR DR. ENGINEER STANISLAV LANDA IS
SIXTY FIVE YEARS OLD, BY J. MOSTECKY, 5 PP.
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Preparation of Standards for Neutron Activation
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Compounds by Means of Chromatography Function
R_m as the Basis of Structural Analysis Based
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ACSI 1-9532
ID 2204020066

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CONTRIBUTION A L'ETUDE DU PHENYL-ACETYL-
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Order from OTS, ETC or CNRS \$0.80 62-26483

Trans. [in French] of Chemické Zvesti (Czechoslovakia)
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DESCRIPTORS: Phenyl radicals, Acetyl radicals,
Aldehydes, *Cyclohexanes, Decomposition.

(Chemistry--Organic, TT, v. 10, no. 7)

62-26483

- I. Title Phenylacetylcarbinol
- II. Sabon, K.
- III. Bauer, S.
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THE EFFECT OF LIGNOSULFONIC COMPLEX ON
COLLAGEN AND RHEOLOGICAL PROPERTIES OF
THE BENTONITE SUSPENSION (Vplyv Lignosulfono-
voho Kompleksu na Koloidnu a Reologichku Vlastnost'
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Order from SLA #1. 60

62-14571

Trans. of Chemické Zvesti (Czechoslovakia) 1956,
v. 10, no. 10, p. 604-611.

DESCRIPTORS: *Bentonite, Clays, Tannic acids,
Fluoride, Polymers, Stabilization, *Colloids,
*Sulfonic acids, *Lignin, Viscosity, Deformation.

A theory of the organic dispersing agent in the bentonite suspension is developed. There was studied and verified the constitution of the lignin-complex which was isolated from the sulfite waste liquor in a (Chemistry-Physical, TT, v. 8, no. 9) (over)

I. Title: Quebracho
I. Esterka, P.
II. Borisek, R.

Office of Technical Services

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RESINS WITH AND WITHOUT SOLUTE tr. by
R. J. Peliet and A. Delwel. 9p. 13 refs.
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Order from OIS or EIC \$1.55 62-26052

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DESCRIPTION: *Allyl resins. *Synthesis. Organic
solvents. Phthalic anhydride. Maleic acid. Adipic acid.

62-26052

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DESCRIPTORS: *Sodium, *Potassium, Separation, Chromatographic analysis, Radioactivity, *Radiochemistry.

TT-63-26915

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NIH 6-37-61

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[U.S. RPT. 6101] *Cellulose, Rayon, Production,
*Sulfur, Recovery, Separation, *Synthetic fibers.

We have studied the sources of sulfur losses in the in-
dividual parts of the manufacture of viscose staple or
the cotton type. We determined the proportions of sul-
fur lost, relative to the total amount of sulfur added to
the manufacturing process. However, the actual amount
of sulfur regenerated did not correspond to the sum of
the amounts of sulfur amenable to regeneration at the
various process steps. Therefore, by improving the
conditions in the individual process steps where losses
occur, it is possible to (TT, vol. 1, no. 5) (over)

61-16780

L. Voral, M.

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ASG tr-3940

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31 May 61

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The Determination of Radiostrontium in Urine, by V.
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ABC 12-4222

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List 46

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